

REMARKS

Claims 1-30 are pending in this application. By this Amendment, independent claims 1, 2, 13 and 14 are amended to recite additional features disclosed in the specification at, for example, paragraphs 81-93.

Also, claims 1-3, 6-10, 13, 14, 18-22, 29 and 30 are amended to obviate informalities, as the Examiner requested.

Reconsideration of the application is respectfully requested.

Applicant thanks Examiners Xiao and Lefkowitz for the courtesy extended to Applicant's representative, Mr. Luo, during the January 26, 2006 personal interview. The substance of the personal interview is incorporated in the following remarks.

The Office Action objects to claims 1, 3, 13, 29 and 30. Claims 3, 29 and 30 are amended, as the Examiner requested. However, regarding claims 1 and 13, the subject matter of "based on signals" and "based on the digital luminance gradation date" is supported in the specification at, for example, paragraphs [0073] and [0075]. Thus, claims 1 and 13 are not amended in this aspect. Accordingly, withdrawal of the objection to claims 1, 3, 13, 29 and 30 is respectfully requested.

The Office Action rejects claims 8-10, 20-22, 29 and 30 under 35 U.S.C. §112, second paragraph. Claims 8-10, 20-22, 29 and 30 are amended, as the Examiner suggested. Accordingly, as discussed during the personal interview, withdrawal of the rejection of claims 8-10, 20-22, 29 and 30 under 35 U.S.C. §112, second paragraph, is respectfully requested.

The Office Action rejects claims 1, 2, 4-7, 13, 14, 16-19 and 25-30 under 35 U.S.C. §102(a) over Applicant's admitted prior art (AAPA). This rejection is respectfully traversed.

As outlined above, claim 1 is amended to recite using a threshold voltage of a transistor to supply a reference voltage. Claims 2, 13 and 14 are amended to recite using a threshold voltage of a transistor to change a reference voltage.

On the other hand, as discussed during the personal interview, the AAPA merely discloses supplying a reference voltage. The AAPA does not disclose or suggest using a threshold voltage of a transistor to supply or to change a reference voltage. Thus, the AAPA does not disclose each and every element recited in claims 1, 2, 13 and 14.

For at least the above reason, the AAPA does not disclose or suggest the subject matter recited in claims 1, 2, 13 and 14, and claims 4-7, 16-19 and 25-30 depending therefrom. Accordingly, withdrawal of the rejection of claims 1, 2, 4-7, 13, 14, 16-19 and 25-30 under 35 U.S.C. §102(a) is respectfully requested.

The Office Action rejects claims 3, 8-12, 15 and 20-24 under 35 U.S.C. §103(a) over the AAPA in view of U.S. Patent No. 6,362,798 to Kimura et al. ("Kimura"). This rejection is respectfully traversed.

Kimura does not disclose or suggest using a threshold voltage of a transistor to supply or to change a reference voltage. Therefore, Kimura does not supply the subject matter lacking in the AAPA. Hence, the AAPA and Kimura, either individually or in combination, do not disclose or suggest the subject matter recited in claims 1, 2, 13 and 14, and claims 3, 8-12, 15 and 20-24 depending therefrom. Accordingly, withdrawal of the rejection of claims 3, 8-12, 15 and 20-24 under 35 U.S.C. §103(a) is respectfully requested.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-30 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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